

Project Design Phase-II

Technology Stack (Architecture & Stack)

Date: 11 February 2026

Team ID: LTVIP2026TMIDS71508

Project Name: Calculating Family Expenses Using ServiceNow

Technical Architecture

User interacts with ServiceNow portal → Data stored in tables → Business rules process data → Reports generated. The system runs on ServiceNow cloud platform.

Table-1 : Components & Technologies

S.No	Component	Description	Technology
1	User Interface	Expense entry forms and list views	ServiceNow Portal UI
2	Application Logic	Processing expense calculation	ServiceNow Business Rules & Scripts
3	Database	Stores daily and summary expenses	ServiceNow Tables
4	Cloud Platform	Application hosting environment	ServiceNow Cloud
5	Authentication	User login and role management	ServiceNow Role Based Access

Table-2 : Application Characteristics

S.No	Characteristics	Description	Technology

1	Framework	Platform based application	ServiceNow Platform
2	Security	Role based access control	ServiceNow Access Control
3	Scalability	Cloud scalable architecture	ServiceNow Cloud Infrastructure
4	Availability	24/7 cloud availability	ServiceNow Hosting
5	Performance	Fast data processing	Optimized ServiceNow Queries